What is claimed is:

1. A system for monitoring machines operating at at least one shop floor, the system comprising:

a plurality of information collectors linked to the machines for automatically obtaining machine-related signals and converting the machine-related signals into computer-readable information;

a monitoring computer electrically connected to the information collectors for obtaining the computer-readable information from the information collectors;

a database electrically connected to the monitoring computer for storing the computer-readable information collected by the monitoring computer and for storing fundamental data set by users; and

a graphical user interface electrically connected to the database for users to monitor production information.

- 2. The system of claim 1, wherein the machine-related signals include machine status, die status and current production information.
- 3. The system of claim 1, wherein each of the information collectors is attached to a corresponding machine.
- 4. The system of claim 1, wherein the information collectors are connected to the monitoring computer via a communication link.
- 5. The system of claim 1, wherein the fundamental data include machine fundamental data.
- 6. The system of claim 1, wherein the fundamental data include die fundamental data, and the die fundamental data include die standard status, and a range of settings that an operator can select to immediately adjust operation of a die.
- 7. The system of claim 6, wherein the die fundamental data include a reference table of die-vs-part number.

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- 8. The system of claim 1, wherein the graphical user interface has icons for viewing the machines and viewing real-time information on the machines or on dies.
- 9. A method for monitoring machines operating at at least one shop floor, the method comprising the steps of:

obtaining machine-related signals from the machines and changing the machine-related signals into computer-readable information via information collectors;

obtaining the computer-readable information from the information collectors and storing the obtained information in a database via a monitoring computer; and

selectively illustrating on a user interface a part of the information stored in the database.

- 10. The method of claim 9, further including the step of storing fundamental data in the database.
- 11. The method of claim 9, wherein the obtaining of the computer-readable information from the information collectors is performed by information-obtaining instructions that are stored in advance in the monitoring computer.
- 12. The method of claim 9, wherein the computer-readable information obtained by the monitoring computer includes machine status and die status.
- 13. The method of claim 12, further comprising the step of forecasting a lifetime of a die according to obtained die status information.
- 14. The method of claim 10, further comprising the step of generating information on abnormality status of any of the machines by comparing the obtained information with the fundamental data.
- 15. A procedure of operating a system for monitoring machines operating on at least one shop floor, comprising in sequence the steps of:

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logging into the system;

set fundamental data;

storing the data and outputting a corresponding report and ending this procedure, or further selecting real-time information;

storing the data and the information and outputting a corresponding report and ending this procedure, or further inquiring desired information;

verifying normality of the information and the data;

inquiring a historical record if abnormal, or directly checking whether a schedule change is desired if normal;

analyzing reasons if abnormal;

if abnormal, storing the information, the data and the reasons and outputting a corresponding report and ending the procedure, or checking whether a schedule change is desired;

ending the procedure if no changing or no reschedule is desired;

determining whether manually inputting information of schedule change if changing or rescheduling is desired;

manually inputting and storing the information and outputting a corresponding report and ending the procedure if manual input is desired, or selecting and storing standard schedule if manual input is undesired; and

outputting a report reflecting corresponding information and ending the procedure.

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